**Thrills & Chills**

Chapter 3

Activity 3  
**More Energy**

Goals…

* Measure the kinetic energy of a pop-up toy
* Calculate the spring potential energy
* Recognize the general nature of the conservation of energy with heat, sound, chemical, and other forms of energy

For You To Read Key Points To Learn

* Conservation of energy –Click here to enter text. of the Click here to enter text. must always be the Click here to enter text.
* Spring potential energy – the Click here to enter text. energy of a spring due to its Click here to enter text. or Click here to enter text.
* SPE = 1/2kx2
* A Click here to enter text. is a spring that is Click here to enter text. to stretch/compress and will have Click here to enter text.
* GPE + KE + SPE = constant
* MGH + 1/2mv2 + 1/2kx2 = constant

What did you learn?

* + There are Click here to enter text. energies (sound, heat, chemical, etc)
  + A Click here to enter text. amount of energy will be Click here to enter text.- to these other energies
  + Roller coasters use Click here to enter text. energy to get to the top of the hill - *this is like using your* Click here to enter text. *energy to compress the pop-up toy*
  + Click here to enter text. becomes Click here to enter text. which becomes Click here to enter text.